

IN THE CLAIMS

The following is a complete listing of the claims which replace any prior versions:

1 1. (Currently Amended) A method for processing print jobs on a printing device
2 having at least one named print queue and a residual print queue comprising:
3 receiving print jobs;
4 forwarding print jobs having a print queue designation that matches a named
5 print queue in the printing device to the designated print queue;
6 forwarding, to the residual print queue, print jobs having a print queue
7 designation that does not match a named print queue in the printing device when the print job
8 is initially received by the printing device to the residual print queue; and
9 forwarding print jobs from the residual print queue to a print engine for
10 printing .

1 2. (original) The method of Claim 1, further comprising printing a print job
2 forwarded to a named print queue in the printing device.

1 3. (original) The method of Claim 1, further comprising converting a print
2 queue designation of a print job having a print queue designation that does not match a
3 named print queue in the printing device, to a residual print queue designation, wherein the
4 residual print queue designation corresponds to the residual print queue.

1 4. (original) The method of Claim 3, wherein forwarding print jobs to the
2 residual print queue comprises recognizing converted print queue designations as the residual
3 print queue designation, and forwarding the corresponding print jobs to the residual print
4 queue in response thereto.

1 5. (original) The method of Claim 4, further comprising determining whether
2 the print jobs are targeted for the residual print queue by comparing the residual print queue
3 designation to a group of queue designations including the residual print queue designation
4 and the print queue designations that match a named print queue.

1 6. (original) The method of Claim 1, further comprising determining whether
2 the print jobs identify print queue designations that do not match a named print queue.

1 7. (original) The method of Claim 6, wherein determining whether the print jobs
2 identify print queue designations that do not match a named print queue comprises
3 comparing a queue name field in a corresponding print job command to each of the print
4 queue designations corresponding to the named print queues.

1 8. (original) The method of Claim 7, wherein the print job command is
2 transmitted in accordance to a Line Printer Daemon Protocol (LPD Protocol).

1 9. (original) The method of Claim 1, further comprising commonly filtering the
2 print jobs that identify the print queue designations that do not match a named print queue
3 with a shared filter.

1 10. (original) The method of Claim 9, further comprising filtering the print jobs
2 that identify the print queue designations that match a named print queue with one or more
3 filters different from the shared filter.

1 11. (original) The method of Claim 10, wherein each of the one or more filters
2 corresponding to the print queue designations that match a named print queue is associated
3 with a different one of the print queues.

1 12. (original) The method of Claim 1, further comprising transmitting the print
2 jobs from a client computer system to the printing device.

1 13. (original) The method of Claim 12, wherein at least the client computer
2 system and the printing device are configured in a network.

1 14. (original) The method of Claim 1, wherein forwarding print jobs to the
2 residual print queue comprises transmitting the print jobs as part of a print command,
3 wherein the print command includes a queue name field to identify the print queue
4 designation.

1 15. (Currently Amended) A printer for receiving and processing print jobs from
2 at least one client computing system, the printer comprising:

3 one or more predefined print queue each having a print queue name
4 respectively assigned thereto;

5 a residual print queue;

6 a job control module configured and arranged to receive the print jobs from
7 the client computing system and to direct the print jobs that do not identify the print queue
8 names assigned to the predefined print queues when the print jobs are initially received by
9 the printer to the residual print queue; and

10 a print engine for printing one or more of the print jobs in the residual print
11 queue.

1 16. (original) The printer as in Claim 15, wherein the job control module
2 comprises a compare module to determine whether the print job identifies one of the print
3 queue names assigned to the predefined print queues.

1 17. (original) The printer as in Claim 16, wherein the job control module further
2 comprises a queue name resolution module coupled to receive an indication from the
3 compare module indicating that the print job identifies an undefined print queue name, and to
4 convert the undefined print queue name to a special print queue name corresponding to the
5 residual print queue.

1 18. (Currently Amended) A print server for processing print jobs, wherein the
2 print server includes one or more print queues each preassigned a print queue name, the print
3 server comprising:

4 a residual print queue that does not correspond to any of the preassigned print
5 queue names;

6 means for receiving an incoming print job command, wherein the incoming
7 print job command includes a target queue name;

8 means for determining whether the target queue name associated with each of
9 the incoming print job commands conforms to one of the preassigned print queue names;

10 means for directing the print jobs whose target queue name conforms to one
11 of the preassigned print queue names to its respective print queue;

12 means for directing the print jobs whose target queue name does not conform
13 to one of the preassigned print queue names when the print jobs are initially received by the
14 means for receiving the incoming print job command to the residual print queue;

15 means for forwarding the print jobs in the print queues and the residual print
16 queue to a print engine for printing .

1 19. (Canceled)

1 20. (Currently Amended) A computer-readable program storage medium tangibly
2 embodying a program of instructions executable by a print server system to process print jobs
3 by performing steps comprising:

4 assigning print queue names to each of the one or more print queues of the
5 print server system;

6 defining a residual print queue in addition to the one or more print queues;

7 forwarding print jobs, that when initially received identify destination print
8 queue names that are not among the assigned print queue names of the one or more print
9 queues, to the residual print queue; and

10 forwarding one or more of the print jobs stored in the residual print queue to a
11 print engine for printing .

1 21. (original) The computer-readable program storage medium of Claim 20,
2 wherein the program of instructions further performs the steps comprising:
3 defining a residual print queue name for the residual print queue; and
4 converting each of the destination print queue names that are not among the
5 assigned print queue names to the residual print queue name.

1 22. (original) The computer-readable program storage medium of Claim 20,
2 wherein the program of instructions further performs the step comprising determining
3 whether the print jobs identify destination print queue names that are not among the assigned
4 print queue names.

1 23. (original) The computer-readable program storage medium of Claim 20,
2 wherein the program of instructions further performs the step comprising commonly filtering
3 the print jobs that identify the destination print queue names that are not among the assigned
4 print queue names with a shared filter.

1 24. (Currently Amended) A computer network for facilitating the processing of
2 print jobs from a plurality of client computer systems by at least one server computer system,
3 comprising:

4 a client job control module, at each client computer system, to generate print
5 job commands for printing corresponding print jobs, wherein each of the print job commands
6 includes a destination print queue name;

7 transmission media coupled between each of the client computer systems and
8 the server computer system to transmit the print jobs from the client computer systems to the
9 server computer system;

10 a plurality of print queues, at the server computer system, wherein each of the
11 plurality of print queues is assigned a predetermined print queue name;

12 a residual print queue at the server computer system;

13 a server job control module, at the server computer system, to receive the print
14 job commands transmitted via the transmission media, and to store the print jobs in one of
15 the plurality of print queues, wherein the server job control module comprises:

16 a compare module configured and arranged to compare the
17 destination print queue names to the predetermined print queue names, and to provide
18 a undefined queue name identifier if the destination print queue names do not
19 correspond to any of the predetermined print queue names when the print jobs are
20 initially received;

21 a queue name resolution module coupled to receive the
22 undefined queue name identifier, and to direct the print jobs having the destination
23 print queue names that do not correspond to any of the predetermined print queue
24 names when the print jobs are initially received to the residual print queue upon
25 receipt of the undefined queue name identifier; and

26 a print engine coupled to the server computer system to receive one or more of
27 the print jobs in the residual print queue.

1 25. (Currently Amended) A method for processing print jobs on a printing device
2 having one or more print queues; the method comprising:
3 assigning print queue names to each of the one or more print queues of the
4 printing device;
5 defining a residual print queue in addition to the one or more print queues;
6 forwarding print jobs, that identify destination print queue names when the
7 print jobs are initially received that are not among the assigned print queue names of the one
8 or more print queues, to the residual print queue; and
9 forwarding one or more of the print jobs stored in the residual print queue to a
10 print engine for printing.

1 26. (original) The method of Claim 25, further comprising:
2 forwarding second print jobs, that identify destination print queue
3 names that correspond to one of the assigned print queue names, to its corresponding
4 print queue of the printing device; and
5 printing one or more of the print jobs stored in the print queues having the
6 assigned print queue names.

1 27. (original) The method of Claim 25, further comprising:
2 defining a residual print queue name for the residual print queue; and
3 converting each of the destination print queue names that are not among the
4 assigned print queue names to the residual print queue name.

1 28. (original) The method of Claim 25, further comprising commonly filtering
2 the print jobs that identify the destination print queue names that are not among the assigned
3 print queue names with a shared filter.

1 29. (original) The method of Claim 28, further comprising filtering the print jobs
2 that identify the destination print queue names that are among the assigned print queue names
3 with one or more filters different from the shared filter.